

# 3746 - CID515531\_Virginia Beach\_CFPF

## Application Details

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### Funding Opportunity:

3293-Virginia Community Flood Preparedness Fund - Project Grants - CY25 Round 6

**Funding Opportunity Due Date:** Dec 1, 2025 11:59 PM

**Program Area:** Virginia Community Flood Preparedness Fund

**Status:** Under Review

**Stage:** Final Application

**Initial Submit Date:** Dec 1, 2025 11:57 AM

**Initially Submitted By:** Stanley Smith

**Last Submit Date:**

**Last Submitted By:**

## Contact Information

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### Primary Contact Information

**Active User\*:** Yes

**Type:** External User

**Name\*:** Mr. Stanley Middle Name Smith  
Salutation First Name Last Name

**Title:** Engineer IV

**Email\*:** sfsmitjr@vbgov.com

**Address\*:** 484 Viking Drive  
Suite 200

Virginia Beach Virginia 23452  
City State/Province Postal Code/Zip

**Phone\*:** 757-385-8459 Ext.  
Phone

###-###-####

**Fax:** ###-###-####

**Comments:**

## Organization Information

**Status\*:** Approved  
**Name\*:** VIRGINIA BEACH, CITY OF  
**Organization Type\*:** Local Government  
**Tax ID\*:**  
**Unique Entity Identifier (UEI)\*:**  
**Organization Website:** <https://www.vbgov.com/Pages/default.aspx>  
**Address\*:** 2875 Sabre Street  
Suite 250

Virginia Beach Virginia 23452  
City State/Province Postal Code/Zip

**Phone\*:** (757) 385-8746 Ext.  
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**Fax:** ####-####-####

**Benefactor:**

**Vendor ID:**

**Comments:**

## VCFPF Applicant Information

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### ***Project Description***

**Name of Local Government\*:** City of Virginia Beach

Your locality's CID number can be found at the following link: [Community Status Book Report](#)

**NFIP/DCR Community** 515531

**Identification Number (CID)\*:**

If a state or federally recognized Indian tribe,

**Name of Tribe:**

**Authorized Individual\*:** Michael Tippin  
First Name Last Name

**Mailing Address\*:** 2509 Princess Anne Road  
Address Line 1  
Address Line 2

Virginia Beach Virginia 23456  
City State Zip Code

**Telephone Number\*:** 757-385-1673

**Cell Phone Number\*:** 757-385-4131

**Email\*:** mtippin@vbgov.com

Is the contact person different than the authorized individual?

**Contact Person\*:** No

**Enter a description of the project for which you are applying to this funding opportunity**

**Project Description\*:**

The Eastern Shore Drive (ESDD) Project includes a package of infrastructure improvements that together will provide vital protections to the residents, businesses, and critical assets within the project area. These improvements include two large stormwater pump stations, automated tide gate, two significant outfall discharges, collection systems, and canal deepening and widening to provide attenuation of the peak discharge to alleviate flooding in the community and on Shore Drive.

**Low-income geographic area means any locality, or community within a locality, that has a median household income that is not greater than 80 percent of the local median household income, or any area in the Commonwealth designated as a qualified opportunity zone by the U.S. Secretary of the Treasury via his delegation of authority to the Internal Revenue Service. A project of any size within a low-income geographic area will be considered.**

Is the proposal in this application intended to benefit a low-income geographic area as defined above?

**Benefit a low-income geographic area\*:** No

Information regarding your census block(s) can be found at [census.gov](http://census.gov)

**Census Block(s) Where Project will Occur\*:** 430.03

**Is Project Located in an NFIP Participating Community?\*:** Yes

**Is Project Located in a Special Flood Hazard Area?\*:** Yes

**Flood Zone(s) (if applicable):** AE

**Flood Insurance Rate Map Number(s) (if applicable):**

## Eligibility CFPF - Round 4 - Projects

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### ***Eligibility***

Is the applicant a local government (including counties, cities, towns, municipal corporations, authorities, districts, commissions, or political subdivisions created by the General Assembly or pursuant to the Constitution or laws of the Commonwealth, or any combination of these)?

**Local Government\*:** Yes  
Yes - Eligible for consideration  
No - Not eligible for consideration

Does the local government have an approved resilience plan and has provided a copy or link to the plan with this application?

**Resilience Plan\*:** Yes  
Yes - Eligible for consideration under all categories  
No - Eligible for consideration for studies, capacity building, and planning only

If the applicant is not a town, city, or county, are letters of support from all affected local governments included in this application?

**Letters of Support\*:** Yes  
Yes - Eligible for consideration  
No - Not eligible for consideration  
N/A - Not applicable

Has this or any portion of this project been included in any application or program previously funded by the Department?

**Previously Funded\*:** No  
Yes - Not eligible for consideration  
No - Eligible for consideration

Has the applicant provided evidence of an ability to provide the required matching funds?

**Evidence of Match Funds\*:** Yes  
Yes - Eligible for consideration  
No - Not eligible for consideration  
N/A - Match not required

## Scoring Criteria for Flood Prevention and Protection Projects - Round 4

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### **Scoring**

#### **Category Scoring:**

Hold CTRL to select multiple options

**Project Category\*:** All other projects, Any other nature-based approach

**Is the project area socially vulnerable?** (based on ADAPT Virginia's Social Vulnerability Index Score)

#### **Social Vulnerability Scoring:**

Very High Social Vulnerability (More than 1.5)

High Social Vulnerability (1.0 to 1.5)

Moderate Social Vulnerability (0.0 to 1.0)

Low Social Vulnerability (-1.0 to 0.0)

Very Low Social Vulnerability (Less than -1.0)

**Socially Vulnerable\*:** Very Low Social Vulnerability

**Is the proposed project part of an effort to join or remedy the community's probation or suspension from the NFIP?**

**NFIP\*:** No

#### **Is the proposed project in a low-income geographic area as defined below?**

"Low-income geographic area" means any locality, or community within a locality, that has a median household income that is not greater than 80 percent of the local median household income, or any area in the Commonwealth designated as a qualified opportunity zone by the U.S. Secretary of the Treasury via his delegation of authority to the Internal Revenue Service. A project of any size within a low-income geographic area will be considered.

**Low-Income Geographic Area\*:** No

**Projects eligible for funding may also reduce nutrient and sediment pollution to local waters and the Chesapeake Bay and assist the Commonwealth in achieving local and/or Chesapeake Bay TMDLs. Does the proposed project include implementation of one or more best management practices with a nitrogen, phosphorus, or sediment reduction efficiency established by the Virginia Department of Environmental Quality or the Chesapeake Bay Program Partnership in support of the Chesapeake Bay TMDL Phase III Watershed Implementation Plan?**

**Reduction of Nutrient and** Yes

**Sediment Pollution\*:**

**Does this project provide "community scale" benefits?**

**Community Scale Benefits\*:** 50-100% of census block

**Expected Lifespan of Project**

**Expected Lifespan of Project\*:** Over 20 Years

**Comments:**

## Scope of Work - Projects - Round 4

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### **Scope of Work**

**Upload your Scope of Work**

Please refer to Part IV, Section B. of the grant manual for guidance on how to create your scope of work

**Scope of Work\*:** ESDD\_CFPF Round 6-scope of work.pdf

**Comments:**

Appendix A & Scope of Work

### **Budget Narrative**

**Budget Narrative Attachment\*:** ESDD\_CFPF Round 6- budget.pdf

**Comments:**

Budget

## Scope of Work Supporting Information - Projects

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### **Supporting Information - Projects**

**Provide population data for the local government in which the project is taking place**

**Population\*:** 459470.00

**Provide information on the flood risk of the project area, including whether the project is in a mapped floodplain, what flood zone it is in, and when it was last mapped. If the property or area around it has been flooded before, share information on the dates of past flood events and the amount of damage sustained**

**Historic Flooding data and** HOH 1 - Loss Estimation Technical Report\_11082021.pdf

**Hydrologic Studies\*:**

**Include studies, data, reports that demonstrate the proposed project minimizes flood vulnerabilities and does not create flooding or increased flooding (adverse impact) to other properties**

**No Adverse Impact\*:** ESDD I.I Final PER Report 2018 08 29 FINAL w Supp 1.pdf

**Include supporting documents demonstrating the local government's ability to provide its share of the project costs. This must include an estimate of the total project cost, a description of the source of the funds being used, evidence of the local government's ability to pay for the project in full or quarterly prior to reimbursement, and a signed pledge agreement from each contributing organization**

**Ability to Provide Share of Cost\*:** CM authorization CFPF.pdf

**A benefit-cost analysis must be submitted with the project application**

**Benefit-Cost Analysis\*:** Costs 2 - BCA Report\_01242022.pdf

If applicable, provide the Department with the current floodplain ordinance by link or attachment.

**Regulations:**

**Provide a list of repetitive loss and/or severe repetitive loss properties. Do not provide the addresses for the properties, but include an exact number of repetitive loss and/or severe repetitive loss structures within the project area**

**Repetitive Loss and/or Severe****Repetitive Loss Properties\*:**

Community Flood Preparedness Grant Letter - Eastern Shore Drive Project ESDD.pdf

**Describe the residential and commercial structures impacted by this project, including how they contribute to the community such as historic, economic, or social value. Provide an exact number of residential structures and commercial structures in the project area**

**Residential and/or Commercial****Structures\*:**

The project benefits 614 properties. There are approximately \$10.5 million in avoided property related annualized losses as a result of the mitigation project. Losses include structural, content, displacement, and service losses. The Virginia Beach Floodplain Administrator, Whitney K. McNamara, reviewed the Repetitive Loss (RL) and Severe Repetitive Loss (SRL) property locations in comparison to the area protected by the project in GIS. She found eleven (11) RL and SRL properties within the area protected by the proposed mitigation solutions. Virginia Beach is eager to implement a project that benefits properties, especially RL and SRL properties that are known to contribute disproportionately to National Flood Insurance Program claims.

**If there are critical facilities/infrastructure within the project area, describe each facility**

**Critical Facilities/Infrastructure\*:**

Protects the Dominion Energy Long Creek Substation from flooding. Dominion Energy provides electricity to properties throughout the City, and this substation is vital to the northeast section of Virginia Beach. Dominion Energy is currently upgrading their transmission system along Great Neck Road beginning on Virginia Beach Boulevard extending north where Shore Drive meets West Great Neck Road. This infrastructure project is replacing and upgrading existing transmission lines and poles to better serve the community as the infrastructure has aged. Transmission poles along Cape Henry drive are also being replaced as part of their program. Extensive project coordination has taken place with both the City and Dominion as both the City and Dominion projects will be in active construction concurrently.

**Explain the local government's financial and staff resources. How many relevant staff members does the local government have? To what relevant software does the local government have access? What are the local government's capabilities?**

**Financial and Staff Resources\*:**

This project was a collaborative effort led by the Department of Public Works in coordination with various departments including Planning and Parks and Recreation. Other City departments such as the City Attorney's office, Public Utilities, Stormwater Operations, Stormwater Regulatory, Traffic Operations, and Traffic Engineering have also been engaged along with the public. The City of Virginia Beach's Department of Public Works Engineering will manage the ESDD Project and ensure that it is completed on time and within budget. The City of Virginia Beach regularly manages complex infrastructure projects, including those that have received federal funding support, and is confident that it has the technical and organizational capacity to manage the ESDD Project and ensure its completion on-schedule. The designer of record will provide construction support services during construction. The City of Virginia Beach Stormwater Engineering Center has a designated project manager who will oversee all construction related activities for this project including but not limited to change orders, invoice processing, requests for information, and as-built review. The project manager is a certified Professional Engineer with additional support provided by a project engineer. Stormwater Engineering Center Program Manager oversees all project managers and becomes involved when complex challenges arise. The City of Virginia Beach is well versed in State and Federal grants and has the applicable staff in place to adequately

manage any awarded projects. The City has a plethora of software and is willing to attain any additional software needed to complete the project and its reporting requirements.

If the project proposed does not employ a nature-based or hybrid solution and the total project cost is greater than \$2 million, describe at least one alternative that could reasonably address the issue identified. Please also consider the No Action Option as a third alternative as part of the analysis. Explain these alternatives and the reason the proposed project was selected.

**Alternatives:**

**Identify and describe the goals and objectives of the project. Include a description of the expected results of the completed project and explain the expected benefits of the project. This may include financial benefits, increased awareness, decreased risk, etc.**

**Goals and Objectives\*:**

The project will support Virginia Beach's resiliency to flooding from tidal events, rainfall, the combination of tidal and rainfall events, and Sea Level Rise. The project protects to the 100-year base flood elevation of 7.0 feet and mitigates flooding on transportation infrastructure which is a community lifeline. The project facilitates better drainage and flood protection for 614 buildings including facilities that host community lifelines for Safety and Security, Food, Water, Shelter, Health and Medical, and Energy.

The ESDD Project includes a package of infrastructure improvements that together will provide vital protection to the residents, businesses, and critical assets within the project area. These improvements include two large stormwater pump stations, automated tide gate, two significant outfall discharges, stormwater collection systems, elevated roadways, and canal deepening and widening to provide attenuation of the peak discharge to alleviate flooding in the community and on Shore Drive.

The ESDD Project's proposed improvements will protect the project area from a 10-year design rainfall with elevated tidal tailwaters. The automated tide gate and elevation of roadways will protect the 120-acres in the 100-year floodplain from inundation up to the base flood elevation of 7.0 feet. Protecting this area mitigates the impact of flooding on 614 properties, 11 Repetitive Loss properties, and many facilities which are community lifelines. The project improvements are divided into four sections, labeled as 1B, 1C, 1D, and 1E.

Yes, as the project is currently soliciting bids, the objectives are achievable within the agreement period. Bid opening is scheduled for 12/18/2025 with notice to proceed for construction anticipated April 2026 for the selected contractor. Due to the BRIC Grant, construction must be complete within three years with an anticipated project closeout date of July 2029. Substantial construction completion is estimated to be March 2029.

**Outline a plan of action laying out the scope and detail of how the proposed work will be accomplished with a timeline identifying expected completion dates. Determine milestones for the project that will be used to track progress.**

**Explain what deliverables can be expected at each milestone, and what the final project deliverables will be. Identify other project partners**

**Approach, Milestones, and** [approach milestones and deliverables.pdf](#)

**Deliverables\*:**

**Where applicable, briefly describe the relationship between this project and other past, current, or future resilience projects. If the applicant has received or applied for any other grants or loans, please identify those projects, and, if applicable, describe any problems that arose with meeting the obligations of the grant and how the obligations of this project will be met**

**Relationship to Other Projects\*:**

Several projects are ongoing within the ESDD I.I watershed. These projects are being designed by WSP and other consultants. Constant coordination between projects is critical for success.

1 -Eastern Shore Drive Drainage Improvements - Phase I, Section II

(hereinafter referred to as ESDD I.II) project consists of the drainage area being conveyed to the Poinciana pump station that is being evaluated by another consultant. The practical modeling drainage divide between ESDD I.I and II is east of Food Lion in the Beech and Oak Street areas. These areas are currently connected by the storm drain and runoff can flow in either direction of lower energy potential. Temporary and permanent tide control structures are being evaluated. The SWMM model for ESDD I.II will be integrated into the ESDD I.I model along

with the SD III SWMM model to assist PW in making sound watershed decisions in the Eastern Shore Drive area. The extent of the required modeling connection has not been determined at this time.

2 -Shore Drive Corridor Improvements - Phase III Design is currently underway for the SD III project by another consultant. The SD III project includes roadway and drainage improvements along the portion of Shore Drive that lies within the ESDD I.I project area. WSP is providing review of the design and critical elevations necessary to properly integrate the ESDD I.I improvements once the SD III project is constructed. Coordination is ongoing as solutions evolve, particularly regarding the connections between the SD III and ESDD I.I drainage systems along Shore Drive. The final SD III improvements will be incorporated into the PCSWMM model for the ESDD I.I project.

3 -Interim Cape Henry Canal Drainage Improvements project is an early ESDD I.I project that will provide an improved gravity canal outfall, with no proposed pump stations, for the SD III improvements currently in the final design phase. WSP is modifying the outfall within the PCSWMM model for the SD III project. Supplement No. 1 to this PER describes the Interim CHC project in greater detail.

4 -Cape Henry Ditch Sluice Gates project includes installing sluice gates in three locations along Cape Henry Ditch. Construction was recently completed. These improvements were designed by WSP and have been considered in the development of the ESDD I.I improvements.

5 -Citywide SLR/Recurrent Flooding Analysis

6 - Stormwater Management Master Planning, Analysis and Inventor

**For ongoing projects or projects that will require future maintenance, such as infrastructure, flood warning and response systems, signs, websites, or flood risk applications, a maintenance, management, and monitoring plan for the projects must be provided**

**Maintenance Plan\*:** [ESDD\\_CFPF Round 6-maintenance.pdf](#)

**Describe how the project meets each of the applicable scoring criteria contained in Appendix B. Documentation can be incorporated into the Scope of Work Narrative**

**Criteria\*:**

Public Works Engineering Stormwater and Support staff as well as contracted environmental and engineering design consultants are responsible for the content of this application. Please review attached narratives and support documentation in which these criteria and how the project meets each is discussed in detail.

## Budget

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### **Budget Summary**

**Grant Matching Requirement\*:** All other Projects - Fund 50%/Match 50%

Is a match waiver being requested?

**Match Waiver Request** No

Note: only low-income communities are eligible for a match waiver.

\*:

**Total Project Amount (Request +** \$50,978,758.00

**Match)\*:** \*\*This amount should equal the sum of your request and match figures

**REQUIRED Match Percentage** \$25,489,379.00

**Amount:**

## BUDGET TOTALS

Before submitting your application be sure that you meet the match requirements for your project type.

**Match Percentage:**

85.29%

Verify that your match percentage matches your required match percentage amount above.

**Total Requested Fund Amount:** \$7,500,000.00**Total Match Amount:** \$43,478,758.00**TOTAL:** \$50,978,758.00***Personnel***

Description	Requested Fund Amount	Match Amount	Match Source
	No Data for Table		

***Fringe Benefits***

Description	Requested Fund Amount	Match Amount	Match Source
	No Data for Table		

***Travel***

Description	Requested Fund Amount	Match Amount	Match Source
	No Data for Table		

***Equipment***

Description	Requested Fund Amount	Match Amount	Match Source
	No Data for Table		

***Supplies***

Description	Requested Fund Amount	Match Amount	Match Source
	No Data for Table		

***Construction***

Description	Requested Fund Amount	Match Amount	Match Source
Construction Services	\$7,500,000.00	\$43,478,758.00	Cash
	<b>\$7,500,000.00</b>	<b>\$43,478,758.00</b>	

***Contracts***

Description	Requested Fund Amount	Match Amount	Match Source
	No Data for Table		

***Maintenance Costs***

Description	Requested Fund Amount	Match Amount	Match Source
No Data for Table			

#### ***PreAward and Startup Costs***

Description	Requested Fund Amount	Match Amount	Match Source
No Data for Table			

#### ***Other Direct Costs***

Description	Requested Fund Amount	Match Amount	Match Source
No Data for Table			

## Long and Short Term Loan Budget - Projects - VCFPF

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#### ***Budget Summary***

**Are you applying for a short term, long term, or no loan as part of your application?**

If you are not applying for a loan, select "not applying for loan" and leave all other fields on this screen blank

**Long or Short Term\*:** Not Applying for Loan

**Total Project Amount:** \$0.00

**Total Requested Fund Amount:** \$0.00

**TOTAL:** \$0.00

#### ***Salaries***

Description	Requested Fund Amount
No Data for Table	

#### ***Fringe Benefits***

Description	Requested Fund Amount
No Data for Table	

#### ***Travel***

Description	Requested Fund Amount
No Data for Table	

#### ***Equipment***

Description	Requested Fund Amount
No Data for Table	

Description	Requested Fund Amount
<b>Supplies</b>	
Description	Requested Fund Amount
	No Data for Table
<b>Construction</b>	
Description	Requested Fund Amount
Construction	\$0.00
	<b>\$0.00</b>

Description	Requested Fund Amount
<b>Contracts</b>	
Description	Requested Fund Amount
	No Data for Table
<b>Other Direct Costs</b>	
Description	Requested Fund Amount
	No Data for Table

## Supporting Documentation

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### *Supporting Documentation*

Named Attachment	Required Description	File Name	Type	Size	Upload Date
Detailed map of the project area(s) (Projects/Studies)	Project Map	CFPF Grant BRIC Overall-Eastern Shore Drive Program-No Vista Circle PS.pdf	pdf	5 MB	11/21/2025 08:38 AM
FIRMette of the project area(s) (Projects/Studies)	FEMA Firmette Map of Project Area	FIRM MAP 5155310037G.tif	tif	1 MB	11/21/2025 08:03 AM
Historic flood damage data and/or images (Projects/Studies)	Photos of Historic Flooding	CONSOLIDATED PHOTOS.pdf	pdf	1 MB	11/21/2025 08:49 AM
A link to or a copy of the current floodplain ordinance	City of Virginia Beach Floodplain Ordinance	ESDD_CFPF Round 6-flood plain.pdf	pdf	533 KB	11/21/2025 08:04 AM
Maintenance and management plan for project	Maintenance Plan	ESDD_CFPF Round 6-maintenance.pdf	pdf	73 KB	12/01/2025 11:55 AM

Named Attachment	Required Description	File Name	Type	Size	Upload Date
A link to or a copy of the current hazard mitigation plan	Hazard Mitigation Plan	2022 Hampton Roads Hazard M.pdf	pdf	13 MB	11/21/2025 08:07 AM
A link to or a copy of the current comprehensive plan	Comprehensive Plan	Comp-Plan-2016_policy-doc.pdf	pdf	16 MB	11/21/2025 08:48 AM
Social vulnerability index score(s) for the project area	Social Vulnerability Map	ESDD SVI Mapper.pdf	pdf	1 MB	11/21/2025 08:10 AM
Authorization to request funding from the Fund from governing body or chief executive of the local government	Letter from City Manager's Office	CM authorization CFPF.pdf	pdf	523 KB	11/21/2025 08:40 AM
Signed pledge agreement from each contributing organization					
Maintenance Plan	Maintenance Plan	ESDD_CFPF Round 6-maintenance.pdf	pdf	73 KB	12/01/2025 11:56 AM

*Benefit-cost analysis must be submitted with project applications over \$2,000,000. in lieu of using the FEMA benefit-cost analysis tool, applicants may submit a narrative to describe in detail the cost benefits and value. The narrative must explicitly indicate the risk reduction benefits of a flood mitigation project and compares those benefits to its cost-effectiveness.*

Benefit Cost Analysis	Cost Benefit from FEMA	Costs 2 - BCA Report - VB Eastern Shore Drive Drainage.pdf	pdf	2 MB	11/21/2025 08:42 AM
Other Relevant Attachments	Loss Estimation Methodologies (BCA Supporting file)	Loss Estimation Methodologies Technical Report BCA supporting file.pdf	pdf	3 MB	11/21/2025 08:42 AM

### ***Letters of Support***

Description	File Name	Type	Size	Upload Date
BCA supporting documents	National Technical Review EMP-2021-BR-051-0010 Eastern Shore Drive Drainage Improvement Project.pdf	pdf	514 KB	11/21/2025 10:07 AM
Construction Estimate	2025 0512 ESDD 1B-1E Final Bid Estimate.pdf	pdf	249 KB	11/21/2025 02:08 PM
Letters of Support	Letters of Support Consolidated.pdf	pdf	2 MB	11/21/2025 08:43 AM

### **Resilience Plan**

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#### ***Resilience Plan***

Description	File Name	Type	Size	Upload Date

<b>Description</b>	<b>File Name</b>	<b>Type</b>	<b>Size</b>	<b>Upload Date</b>
CVN Resiliency Plan	ESDD_CFPF Round 6- resiliency plan.pdf	pdf	445 KB	11/21/2025 07:59 AM